

Lecture Room. Salanave, speaking on the "Recent Close Approach of Mars," will describe the observations and results he obtained during his lengthy stay on the mountain. In addition he will cover noteworthy results reported by other observatories.

Both telescopes used on the Academy Mars expedition functioned perfectly in the planned research on Mars and the sun, Salanave says. Likewise, the clear blue sky above Junipero Serra Peak permitted admirable "seeing" both by day and night. Salanave's original hunch that the Peak might be a choice observatory site may bear fruit. The Peak is now one of five localities (four in Arizona and one in California) being considered for a contemplated National Observatory. This turn of events can be credited to the initial "astro-botanical" expedition by Salanave and curator of botany, John Thomas Howell, in May, 1955. As far as anyone knows this was the first time astronomical observations had been made from the peak since George Davidson observed an eclipse of the sun there on January 11, 1880. Interestingly enough, the lens Salanave used for his solar observations this past August was the one used by Davidson in 1880.

THE LILY FAMILY OF CALIFORNIA

UNDER THE AUSPICES of the California Botanical Club and the Academy, an illustrated lecture will be given by John Thomas Howell, Curator of Botany, and Charles Webber, well-known plant photographer, in the Morrison Auditorium, November 15, 1956, at 2 p. m.

Mr. Webber's fine kodachromes will show such "lilies" as the Joshua trees and yuccas of the desert, onions from coastal headlands, mariposa tulips from the foothills, and fritillaries from timberline in the High Sierra. Also there will be shown several species of the genus *Lilium*, the true lilies. Scenic views from coast, desert, and mountains will show the places where some of California's most beautiful wildflowers grow. Academy members and the public are invited to attend.

DECEMBER MEETING

NEXT MONTH'S PROGRAM on December 6 will be a Walter B. Scaife Foundation lecture, "Cypress Kingdom," by Alexander Sprunt, Jr., Audubon screen tour lecturer.

NEW MEMBERS

THE FOLLOWING MEMBERS were elected by the Council at its meeting of October 18, 1956:

REGULAR MEMBERSHIP

Miss Georgina Hele Ash
Mr. Finn F. Berg
Miss Lisa Diamond
Mrs. Mary D. Grinnell
Mr. Miller F. Hotchkiss
Miss Galen Kent Howard
Mrs. Donald R. Lilly
Mr. Jerome Mann
Dr. George T. Oberlander
Mr. John F. Rickard
Mr. Richard T. Sandberg
Mrs. Wesley E. Shelberg
Dr. B. J. Siebenthal

LIFE MEMBERSHIP

Mr. Josef Zakostelny

FAMILY MEMBERSHIP

Dr. Colin T. Greenlaw
Colonel Henry McC. Greenleaf
Mr. and Mrs. Earle Steele

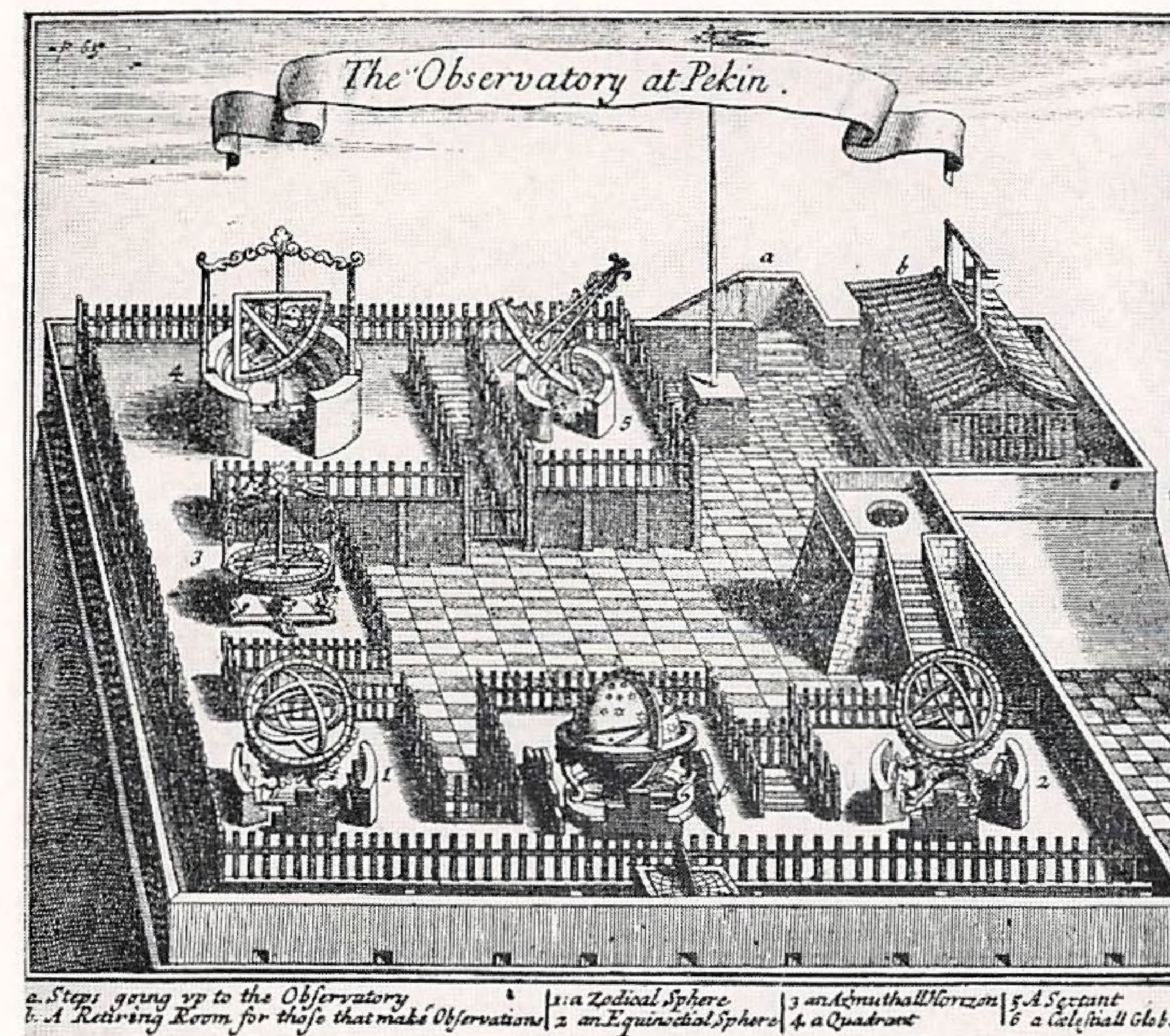
STUDENT MEMBERSHIP

Judy Alexander
John Belmont
Paul Eisenberg
Gregory Gerth
Carolyn Harley
Theresa Toschi

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From Le Conte's "Voyage to China," 1698

ONE OF THE WORLD'S FIRST OBSERVATORIES
AS IT APPEARED IN 1698

(See Page 2)

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November Announcement

THE REGULAR NOVEMBER MEETING of the California Academy of Sciences will be held at 8:15 P. M., Thursday, November 15, in the May Treat Morrison Auditorium. An illustrated lecture will be presented by Dr. Earle G. Linsley, Academy research associate in astronomy and former director of the Oakland Chabot Observatory:

"ASTRONOMICAL INSTRUMENTS OF ANCIENT CHINA"

Dr. Linsley finds a great fascination in delving into the history of astronomy, especially in the early work done in China. The observatory on the wall of old Peiping (pictured on our cover) was visited by Dr. Linsley some years ago. He will show photographs of these and other historic instruments by slide projection. Dr. Linsley will compare our great telescopes of today with these early devices, most of which were encumbered with beautiful but useless ornamentation. The accomplishments of the Chinese astronomers, even without optical aid, are testimony to the soundness of the design and principles on which these instruments were built, however.

Two of the outstanding objects to be illustrated by Dr. Linsley are the great armillary sphere which used to stand in a garden beneath the Peiping observatory and a great celestial globe (over six feet in diameter) taken by the Germans following the Boxer Rebellion and not returned to China until after World War I.

The instruments shown on our cover, Dr. Linsley says, were built during the Mongolian Yuan Dynasty, 13th Century. They occupy the site of an earlier (Ching) Dynasty establishment.

Members of the public are cordially invited to attend the lecture.

THOMAS H. KEARNEY
1874-1956

DR. THOMAS H. KEARNEY, Honorary Curator of Botany in the California Academy of Sciences, died on October 19 after a brief illness.

He was born at Cincinnati, Ohio, June 27, 1874. He was educated at the University of Tennessee and Columbia University, after which he entered on a long career with the U. S. Department of Agriculture. He made a botanical survey of Dismal Swamp, Virginia, and was a member of the Harriman Alaska Expedition of 1899, on which he collected plants along the Northwest Coast from Puget Sound to Bering Strait.

From 1900 to 1944 he was successively assistant physiologist, physiologist, senior physiologist and principal physiologist of the Bureau of Plant Industry, U. S. Department of Agriculture. He worked on alkali-resistant and drought-resistant plants, and contributed tremendously to developing the growth of

cotton in arid regions of this country. He also became recognized as a leading authority on the flora of Arizona.

On his retirement from the Department of Agriculture in 1944, Dr. Kearney joined the Academy's staff and continued active research for another twelve years. Just a few weeks ago he was cited for meritorious achievement in botany by the Botanical Society of America, at its August meeting at the University of Connecticut, an honor that he deeply appreciated. He was at work in his laboratory until two days before his death. He had two papers in press, and left several completed manuscripts which it is hoped can be published posthumously.

Dr. Kearney is survived by two sisters, Miss Mary G. Kearney of San Francisco and Mrs. Helen Smith of Napa.

This brief account cannot possibly do justice to the scope of Dr. Kearney's work, nor to the warmth of his friendly personality. An appreciative account of his life and work, with a portrait, was published by Dr. Ira L. Wiggins in *Pacific Discovery* for March-April, 1952.

ANNUAL MEETING

AT THE ANNUAL MEETING of the Academy on October 3, the Report of the Director for the fiscal year 1955-56 was read, and the result of the election was announced as follows: for five-year terms on the Board of Trustees, Mr. Eugene D. Bennett, Mr. Edward E. Hills, and Mr. George Stimmel; for three-year terms on the Council, Mr. Walter L. Huber and Dr. A. Starker Leopold.

ELECTION OF FELLOWS

BY ACTION OF THE ACADEMY'S Council, the following persons have been elected Fellows of the California Academy of Sciences:

Dr. Harold E. Anthony	Dr. Lloyd G. Ingles
Dr. Leonard Carmichael	Mr. Charles Kendrick
Mr. Herschel L. Driver	Dr. Loye Holmes Miller
Dr. Morton R. Gibbons, Jr.	Dr. Wendell M. Stanley
Dr. David M. Greenberg	Dr. G. Ledyard Stebbins
Mrs. Joseph Grinnell	Dr. Otto Struve
Dr. William M. Hoskins	Dr. Parker D. Trask
Dr. Hildegard Howard	Mr. Howard Vesper
Dr. Harvey White	

Under the Academy's constitution, Fellows, not to exceed 300 in number, may be elected by the Council, on nomination of three or more Fellows, in recognition of services to the Academy or to Science.

The Council further took action to declare Mr. C. M. Goethe of Sacramento a Patron, "in recognition of his numerous and varied contributions to the Academy and to science education."

Dr. Harriet Exline Frizzell was appointed Research Associate in Arachnology in the Academy's Department of Entomology. Dr. Frizzell is a well-known authority on spiders.

MARS PATROL RETURNS

LEON E. SALANAVE, associate curator of astronomy, has returned from his vigil atop Junipero Serra Peak and will call the next meeting of the Academy's Astronomy Section to order at 8 P. M., Wednesday, November 28, in the Student